PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/686,149		
Filing Date	October 15, 2003		
First Named Inventor	Paul M. Crafton		
Art Unit	3749		
Examiner Name	Kenneth Rinehart		
Attorney Docket Number	C152 1131.1		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (F known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-	 		
		US-			1000
		US-			
	-	US-			
		US-			
		US-			V
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-			
		US-			
		U\$-			
		US-	1.		
		US-			
		US-			
	 	US-	1		

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	١.
	_	Country Code ³ "Number ⁴ "Kind Code ⁵ (<i>it known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
183/15		JP-S58-85011	05-21-1983	Sumitomo Cement Co., Ltd.		~
2440		JP 10-122541	05-15-1988	Toshiba-Gorp.		
		JP 9-290234	11-11-1997	Nippon Steel Corp.		L
KRAZKIO	F	WO 0133140 A1	05-10-2001	Consolidated Engineering Co., Inc.		
-		DE 8601942	02-16-1988	Kalkzandsteenfabriek		L

Examiner	5/ N (D) 1	Date	6/10/05
Signature	Ke 13,7/26	Considered	4/14/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. Enter Office that issued the document, by the two-latter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.